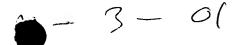
12/28/00



A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on December 28, 2000 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EL746319735us, addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: SUN1P287/P4990

First Named Inventor: David Wallman



UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))

| Assista | ant Commissioner for Patents |
|-------------|--|
| Box Pa | atent Application |
| Washi | ngton, DC 20231 |
| Sic: | This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors: David Wallman |
| For: | METHODS AND APPARATUS FOR OPTIMIZING GARBAGE COLLECTION |
| U Assign | ned to: Sun Microsystems, Inc. |
| Applic | cation Elements: 21 Pages of Specification, Claims and Abstract 9 Sheets of informal Drawings |
| 14 [] | 21 Pages of Specification, Claims and Abstract |
| id C | 9 Sheets of informal Drawings |
| | 2 Pages Combined Declaration and Power of Attorney |
| Accor | mpanying Application Parts: |
| | Do not publish this application. Nonpublication Request is attached. |
| | Assignment and Assignment Recordation Cover Sheet (recording fee of \$40.00 enclosed) |
| | 37 CFR 3.73(b) Statement by Assignee |
| | Information Disclosure Statement with Form PTO-1449 |
| | Copies of IDS Citations |
| | Preliminary Amendment |
| | Return Receipt Postcard |
| | Other: |
| | |

| Fee | Calculation | (37) | CFR 8 | 1.16) | |
|-----|-------------|------|-------|-------|--|
| | | | • | | |
| | | | | | |

Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.

| | (Col. 1) Total Claims | | (Col. 2) Claims | (Col. 3) Present Extra | Rate | Additional Fee |
|---|--------------------------|-------|--------------------|---------------------------|------|----------------|
| TOTAL | 15 | MINUS | 20 | = 0 | x 18 | 0 |
| INDEP. | 1 | MINUS | 3 | = 0 | x 80 | . 0 |
| 1 | 0 | | | | | |
| Basic Filing Fee under 37 C.F.R. §1.16(a) \$710 | | | | | | 710.00 |
| TOTAL | | | | | | 710.00 |
| SMALL ENTITY 50% FILING FEE REDUCTION (if applicable) | | | | | | 0 |

| Check No. ১৯১৪ in the amount of \$750.00 is enclos | X | Check No. | Blob in | the amount | of \$750.00 | is enclosed |
|--|---|-----------|---------|------------|-------------|-------------|
|--|---|-----------|---------|------------|-------------|-------------|

The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 500388 (Order No. SUN1P287).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 500388 (Order No. SUN1P287).

Please send correspondence to the following address:

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Berkeley, CA 94704-0778 Telephone (650) 961-8300 Fax (650) 961-8301

PATENT TRADEMARK OFFICE

Elise R. Heilbrunn

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